

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A computer-readable medium having a data structure for managing playback control of ~~the computer readable medium~~video data having multiple paths, comprising:
 - a data area configured to store ~~a stream~~the video data; and
 - a navigation area configured to store a plurality of navigation segments including at least one navigation command, ~~the navigation command~~ for launching a playlist, the playlist including a playitem indicating a playing interval in a clip of the video data~~configured to manage playback of the stream~~, and the navigation segments including a first navigation segment and a second navigation segment,
wherein the navigation commands included in the first navigation segment and the second navigation segment launch different playlists respectively such that the first navigation segment and the second navigation segment representing~~represent~~ different reproduction paths of a title of the video data.

2. (Previously Presented) The computer-readable medium of claim 1, wherein the first navigation segment and the second navigation segment constitute a branch structure in the reproduction paths of the title.

3. (Previously Presented) The computer-readable medium of claim 2, wherein a branch point of the branch structure is a boundary of playlists.

4. (Previously Presented) The computer-readable medium of claim 1, wherein the first navigation segment and the second navigation segment constitute a multi-path structure in the reproduction paths of the title.

5-6. (Canceled)

7. (Currently Amended) The computer-readable medium of claim [[6]]1, further comprising:

a playlist area for storing a playlist directory, the playlist directory storing the at least one playlist; and

a clip information file directory area for storing at least one clip information file associated with the video data; and

a stream directory storing at least one clip file.

8-12. (Canceled)

13. (Currently Amended) A method of recording a data structure for managing playback control of video data recorded on a computer-readable recording medium, comprising:

recording the video data in a data area of the computer-readable medium; and

recording an information file on a recording medium, the information file including a plurality of navigation segments including at least one navigation command in a navigation area of the computer-readable medium, the navigation command launching a playlist, the playlist

including a playitem indicating a playing interval in a clip of the video data configured to manage playback of a stream, and the navigation segments including a first navigation segment and a second navigation segment,

wherein the navigation commands included in the first navigation segment and the second navigation segment launch different playlists respectively such that the first navigation segment and the second navigation segment representrepresenting different reproduction paths of a title of the video data.

14. (Currently Amended) A method of reproducing a data structure for managing playback control of video data recorded in a computer-readablea recording medium, comprising:

reproducing the video data from a data area of the computer-readable medium; and
reproducing an information file from a recording medium, the information file including
a plurality of navigation segments including at least one navigation command from a navigation
area of the computer-readable medium, the navigation command launching a playlist, the playlist
including a playitem indicating a playing interval in a clip of the video data configured to
manage playback of a stream, and the navigation segments including a first navigation segment
and a second navigation segment,

wherein the navigation commands included in the first navigation segment and the
second navigation segment launch different playlists respectively such that the first navigation
segment and the second navigation segment representrepresenting different reproduction paths of
a title of the video data.

15. (Currently Amended) An apparatus for recording a data structure for managing playback control of video data recorded on a computer-readablea recording medium, comprising:

~~an optical recording device~~~~a recording unit~~ configured to record ~~the video data in a data area of the computer-readable~~~~on a recording medium~~;

~~a controller, operably coupled to the recording unit, configured to control the optical recording device~~~~recording unit~~ to record ~~an information file on the recording medium, the information file including~~ a plurality of navigation segments including at least one navigation command ~~in a navigation area of the computer-readable medium~~, the navigation command launching a playlist, ~~the playlist including a playitem indicating a playing interval in a clip of the video data~~~~configured to manage playback of a stream~~, and the navigation segments including a first navigation segment and a second navigation segment,

~~wherein the navigation commands included in the first navigation segment and the second navigation segment launch different playlists respectively such that the first navigation segment and the second navigation segment represent~~~~representing~~ different reproduction paths of a title ~~of the video data~~.

16. (Currently Amended) An apparatus for reproducing a data structure for managing playback control of ~~video data recorded in a computer-readable~~~~a recording medium~~, comprising:

~~an optical reproducing device~~~~a reproducing unit~~ configured to reproduce ~~video data from a data area of the computer-readable recorded on a recording medium; and~~

~~a controller, operably coupled to the reproducing unit, configured to control the optical reproducing device~~~~reproducing unit~~ to reproduce ~~an information file from the recording medium, the information file including~~ a plurality of navigation segments including at least one navigation command ~~from a navigation area of the computer-readable medium~~, the navigation command launching a playlist, ~~the playlist including a playitem indicating a playing interval in a clip of the~~

video data configured to manage playback of a stream, and the navigation segments including a first navigation segment and a second navigation segment,

wherein the navigation commands included in the first navigation segment and the second navigation segment launch different playlists respectively such that the first navigation segment and the second navigation segment represent~~representing~~ different reproduction paths of a title of the video data.

17. (New) The method of claim 13, wherein the first navigation segment and the second navigation segment constitute a branch structure in the reproduction paths of the title.

18. (New) The method of claim 13, wherein a branch point of the branch structure is a boundary of playlist.

19. (New) The method of claim 13, wherein the first navigation segment and the second navigation segment constitute a multi-path structure in the reproduction paths of the title.

20. (New) The method of claim 14, wherein the first navigation segment and the second navigation segment constitute a branch structure in the reproduction paths of the title.

21. (New) The method of claim 14, wherein a branch point of the branch structure is a boundary of playlist.

22. (New) The method of claim 14, wherein the first navigation segment and the second navigation segment constitute a multi-path structure in the reproduction paths of the title.

23. (New) The apparatus of claim 15, wherein the controller is further configured to control the recording unit to record a branch structure in the reproduction paths of the title.

24. (New) The method of claim 15, wherein the controller is further configured to control the recording unit to record a multi-path structure in the reproduction paths of the title.

25. (New) The apparatus of claim 16, wherein the controller is further configured to control the reproducing unit to reproduce a branch structure in the reproduction of the paths of the title.

26. (New) The method of claim 16, wherein the controller is further configured to control the reproducing unit to reproduce a multi-path structure in the reproduction paths of the title.